

WORK REQUIREMENTS
TUTTLE CREEK RESERVOIR WILDLIFE AREA
IRVING TOWNSITE EQ STORAGE BUILDING
CONSTRUCT WATER WELL AND IMPROVEMENTS

Scope of Work

The work to be performed under these specifications consists of the drilling of a gravel packed water well, installation of a submersible pump and motor, installation of a pressure system and the connection of the well to electrical service. The contractor shall furnish all equipment, materials and labor necessary to complete this work and to provide a complete and operable water supply system. All work performed and materials used shall comply with industry standards and shall be installed in a professional manner.

Location of the Work

Work location is approximately 6 miles southeast of Blue Rapids in Marshall County in the old Irving townsite. KDWP public lands manager is James Svaty (785) 363-7316. KDWP engineering contact is Dennis Glascock (620) 672-0716. All prospective bidders shall visit the site of the proposed work and shall fully apprise themselves as to the extent of the work to be done and the conditions which exist prior to bidding.

Safety Facilities

The contractor shall provide safety facilities as prescribed by law at his or her own expense and shall provide such facilities until completion of the project. The contractor assumes all liability and releases the Department of Wildlife, Parks and Tourism from any such liability in the event of an accident.

Precautions shall be exercised at all times for the protection of persons (including employees) and property. The safety provisions of applicable laws and building and construction codes shall be observed. Machinery, equipment and hazards shall be guarded and all hazards guarded or eliminated in accordance with the safety provisions of the manual of Accident Prevention in Construction, published by the Associated General Contractors of America; Safety and Health Regulations for Constructions, published by the Bureau of Labor Standards, U.S. Department of Labor and Occupational Safety and Health Administration, U.S. Department of Labor.

It shall not be the responsibility of the Kansas Department of Wildlife, Parks and Tourism to enforce or direct safety rules or procedures.

Commencement and Completion

The owner will notify the contractor of the approval of the contract and the latest date upon which construction may be started. Upon receipt of this notice, the contractor shall acknowledge such receipt and indicate the date he expects to start work allowing at least one week for the Owner to assign personnel and complete other preparatory measures. All work, under this contract, is to be completed within 60 days beginning with the notice to proceed, weather permitting.

Water Well

The contractor shall construct a 5" PVC cased, gravel packed, water well with all appurtenances at a location as directed by the Owner. The proposed well depth is 80'. Any additional depth or less depth required will be added to or deducted from the base contract price as the per unit price quoted. The contractor shall prepare a log showing the depth of each stratum and samples shall be taken and the proper depths recorded as the drilling progressed downward.

After placement of the casing, the well shall be developed by jetting, surging and or bailing. The process shall be repeated to the satisfaction of the Owner and until the sand content is of negligible size and quantity. The contractor shall develop the well to maximum capacity by utilizing every means at his disposal.

It is the intent of this project to provide a well capable of 30 gpm continuous production without excessive drawdown. The intended pump size and pumping rate for this well will be 20 gpm at 50 psi. Estimated pump depth to be 65'.

A bentonite grout shall be placed between the casing and the wall of the well for a depth of at least twenty feet.

After well development, the well shall be disinfected by adding sufficient hypochlorite solution to produce a concentration of not less than 100 mg/L of available chlorine when mixed with the water in the well. This corresponds to the use of about 1.5 pounds of high test calcium hypochlorite (65% available chlorine) per 1000 gallons of water in the well. Prior to setting, the pump and pump riser pipe shall be washed down with a 200 mg/L available chlorine solution.

The surrounding area shall be cleaned of all debris resulting from the work. Slush pits and ditches shall be filled and all sand or other material which may have been removed form the drill hole shall be leveled or removed for the site as directed. The area surrounding the new well shall be left in a clean and aesthetically pleasing condition.

Permits

The contractor shall supply a copy of the water well record to KDHE.

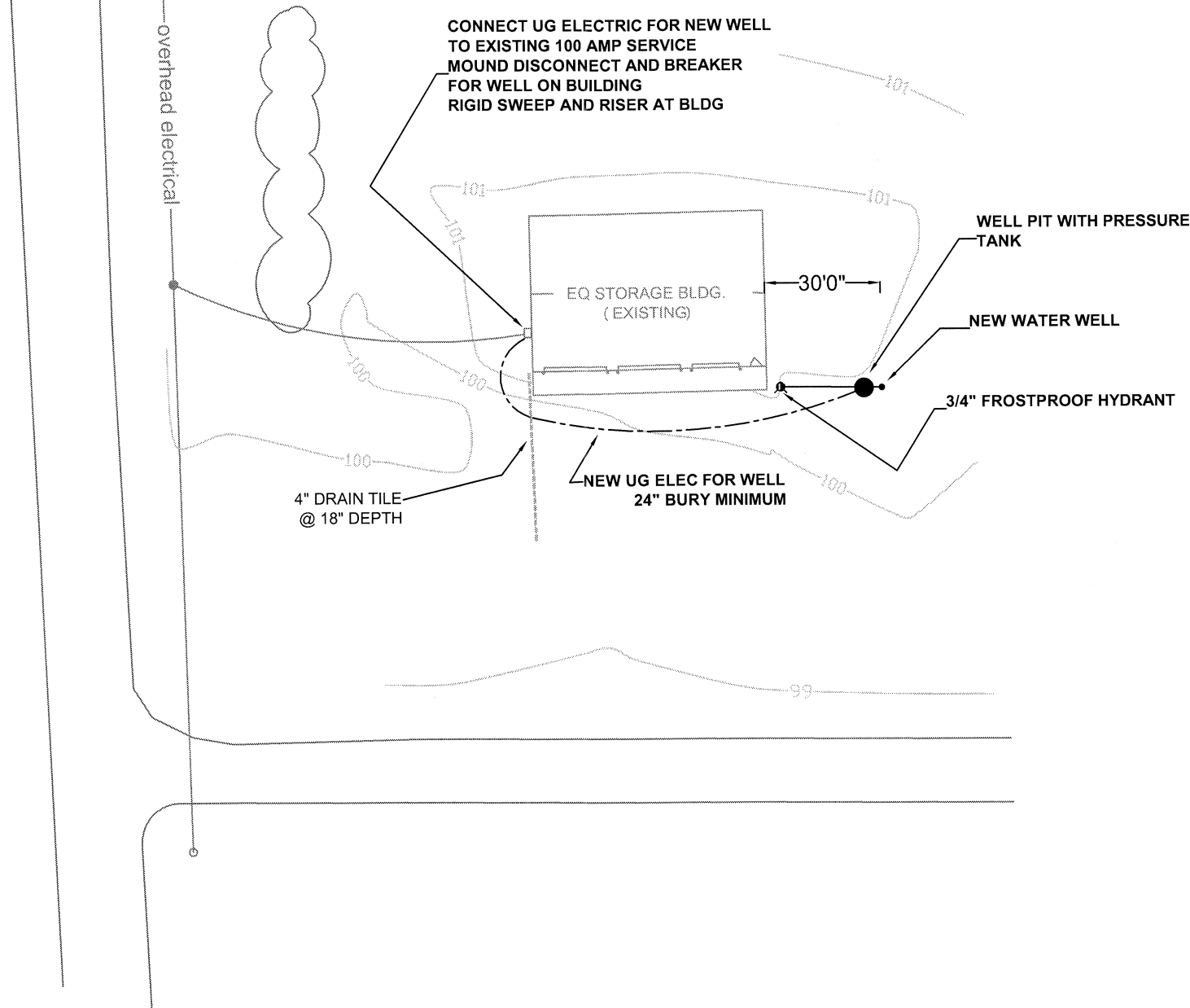
TO
BLUE
RAPIDS

PROJECT IS LOCATED IN THE NW 1/4, SEC 13,
T5S, R7E IN MARSHALL COUNTY

2624 12TH ROAD
BLUE RAPIDS, KS 66411

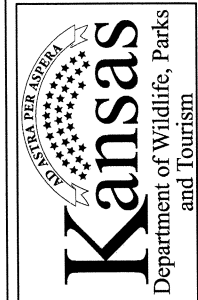


SITE PLAN
SCALE 1" = 40'



4	3	2	1	No. BY CK APP
				Revision
				Date
				Designed By
				Drawn By
				Checked By
				Date
				Scale

Kansas Department of Wildlife,
Parks and Tourism
Engineering Services Section
512 SE 25th Ave.
Pratt, Kansas 67124



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NEW EQ STORAGE BUILDING
2012 CONSTRUCT WATER WELL AND IMPROVEMENTS

Project
AGATrac 982200

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